



MCAQ Permitting & Enforcement: A Day In The Life

Chuck Greco and Lexin Murphy - Air Quality Division

Mecklenburg County Land Use and Environmental Services Agency

MECKLENBURG COUNTY

AIR QUALITY

MCAQ Permitting & Enforcement: Overview

- Stationary Source Permitting
- Odor/Dust/Visible Emissions Complaint Response
- Stack Testing Oversight/Review
- RMP/112(r)
- Emissions Modeling Review
- Stage I Permitting
- Compliance Assistance
- Asbestos NESHAP



Stationary Source Permitting

- Delegated authority for implementing and enforcing federal and state AQ programs:
 - Major and Minor Source Prevention of Significant Deterioration (PSD) Permitting
 - Title V Permitting
 - New Source Performance Standards (NSPS)
 - National Emission Standards for Hazardous Air Pollutants (NESHAP)/Maximum Achievable Control Technology (MACT) Standards
 - NC State Toxics
- 2017 Activities:
 - Air Quality Permits Issued: 67
 - Permitting Applicability Determinations: 28
 - Facility Inspections: 172
 - Annual Emissions Entries: 212



Odor/Dust/VE/Smoke Complaint Response

- In 2017 MCAQ responded to:
 - 75 Odor Complaints
 - 12 Dust Complaints
 - 5 Asbestos Complaints
 - 2 Visible Emissions/Smoke Complaints
- Complaint Response:
 - Field Investigations: verification and source identification
 - Follow-up and Enforcement
- Indoor Air Quality Calls
 - 54 calls in 2017: most common concern is mold
 - Agency Referrals: Code Enforcement, OSHA, AG
 - IAQ Information/Resources
 - Primary IAQ Contact: Bryan Gabriel



Stack Testing Oversight/Review

- Approve Testing Protocols:
 - Are you testing the right sources for the right emissions?
 - Are you doing the right tests?
- Stack Test Observations
- Review and Approve Testing Reports
 - Was the testing done properly?
 - Are the results in compliance with permit limits?
- 2017 Stack Tests: 31
- Primary Testing Contact: Aaron Matijow



RMP/112(r) Program

- EPA's Accidental Release Prevention Program for Highly Hazardous Chemicals (Section 112(r) of the Clean Air Act):
 - Applicable to facilities that have/handle a regulated quantity of:
 - 77 Toxic Compounds
 - 64 Flammable Compounds
 - Risk Management Program/Plan (RMP) Requirements:
 - Identify the potential impacts of an accidental release,
 - Identify steps the facility is taking to prevent an accident, and
 - Spell out emergency response procedures should an accident occur.



RMP/112(r) Program – con't

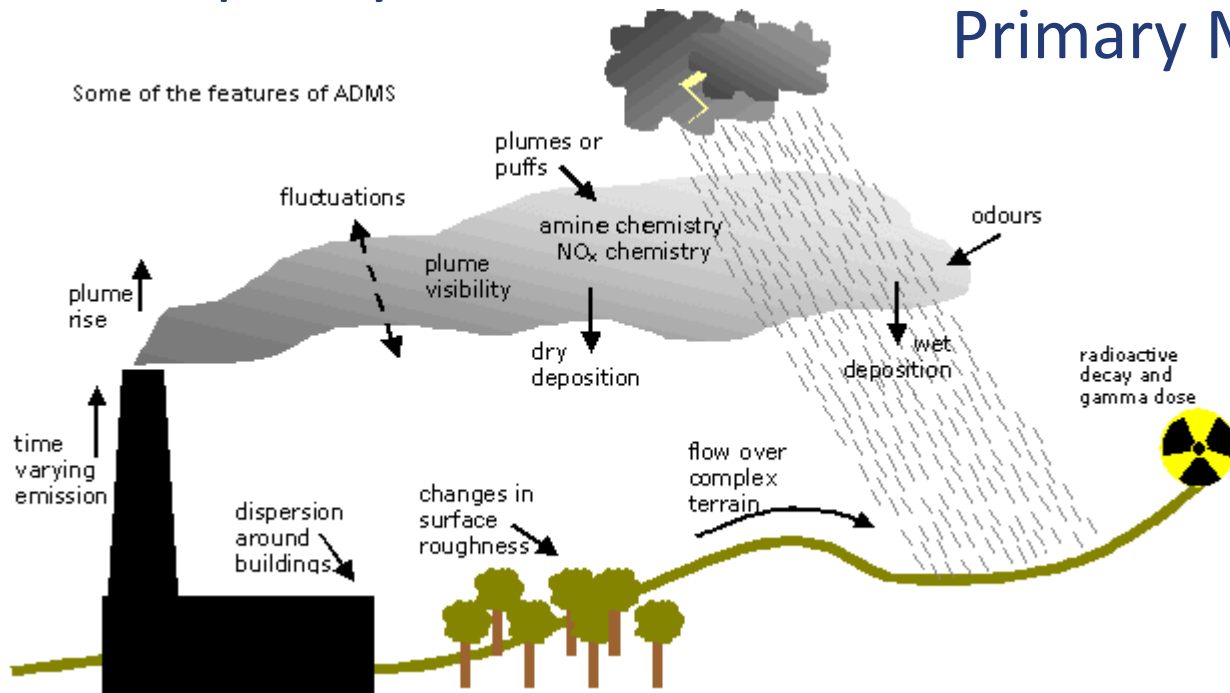
- 23 RMP Facilities in Mecklenburg County
 - 15 Permitted/8 non-Permitted
 - Chemical Manufacturing and Distribution
 - Gasoline Terminals
 - Ammonia Refrigeration Systems
 - Water Treatment Facilities
 - General Duty Clause
- RMP Inspections: 5 in 2017
 - Verify RMP Submittal completeness
 - Verify compliance with plan requirements
- Primary RMP Contact: Evan Shaw



Emissions Modeling Review

- MCAQ conducts and reviews air quality dispersion modeling in support of permit applications. Facilities must demonstrate their activities will not cause an exceedance of Federal, State or Local air quality standards.

Primary Modeling Contact: Donna Cavaliere

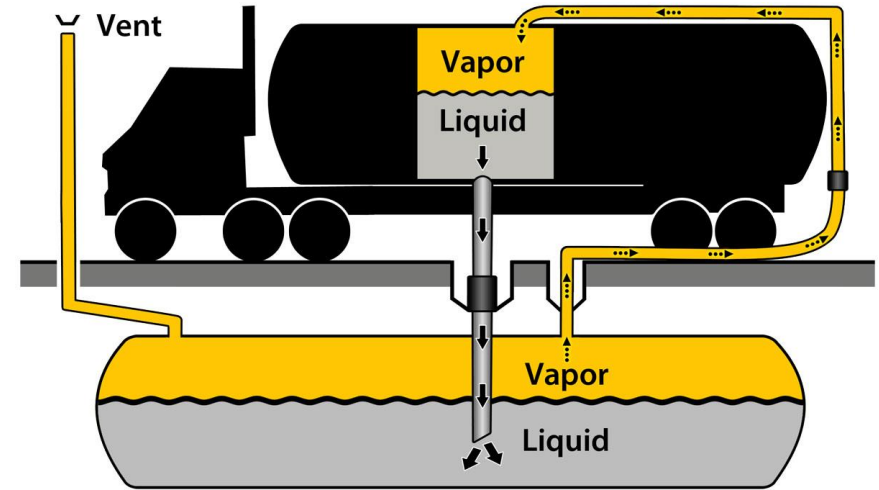


MCAQ reviewed
6 Models in 2017



Stage I (Gasoline Dispensing Facilities)

- There are currently 323 permitted gasoline dispensing facilities in Mecklenburg County.
- In 2017, 98 inspections were completed at those facilities.
- In CY2016, these facilities emitted 2,489 tons of VOC.



Primary Stage I Contact: Bryan Gabriel



Compliance Assistance

Compliance Assistance

NEW How to inspect your Stage 1 vapor recover equipment (video):



Bryan Gabriel of MCAQ demonstrates a Stage I Self-Inspection

- Annual Forum
- Spring Workshop
- Improvement Projects



Asbestos NESHAP Program

- Mecklenburg County Air Quality (MCAQ) is responsible for implementation and enforcement of the Asbestos NESHAP regulation (NESHAP – National Emission Standard for Hazardous Air Pollutants) within Mecklenburg County.
- Primary NESHAP contact: Danielle Jones

MCAQ reviewed 392 NESHAP projects and conducted 278 inspections in 2017!



Activities Regulated by Asbestos NESHAP

- Commercial Demolitions
- Residential Installations
- Redevelopment Projects
- Intentional Burns
- Renovations disturbing regulated quantities (160 sq ft, 260 ln ft, 35 cu ft) of friable asbestos-containing material



Questions?

Chuck.Greco@MecklenburgCountyNC.gov

Lexin.Murphy@MecklenburgCountyNC.gov

704-336-5430

